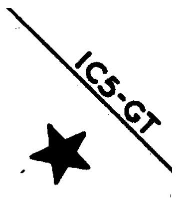




1C5-GT/1C5-G

POWER AMPLIFIER PENTODE

Filament	Coated	
Voltage	1.4	d-c volts
Current	0.10	amp.
Maximum Overall Length		3-5/16"
Maximum Seated Height		2-3/4"
Maximum Diameter		1-5/16"
Bulb		T-9
Base		Intermediate Shell Octal 7-Pin

Pin 1 - No Connection
Pin 2 - Filament +
Pin 3 - Plate
Pin 4 - Screen
Pin 5 - Grid
Pin 7 - Filament -
Pin 8 - No Connection

Mounting Position: Any

BOTTOM VIEW (G-6X)

AMPLIFIER

Plate Voltage	110 max.	volts
Screen Voltage	110 max.	volts
Total Zero-Sig. Cathode Current	12 max.	ma.

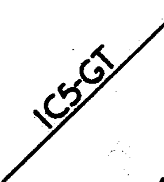
Typical Operation and Characteristics - Class A_1 Amplifier:

Plate	83	90	volts
Screen	83	90	volts
Grid *	-7.0	-7.5	volts
Peak A-F Grid Volt.	7.0	7.5	volts
Zero-Sig. Plate Cur.	7.0	7.5	ma.
Max.-Sig. Plate Cur.	7.3	7.8	ma.
Zero-Sig. Screen Cur.	1.6	1.6	ma.
Max.-Sig. Screen Cur.	3.5	3.5	ma.
Plate Res.	110000	115000	approx. ohms
Transcond.	1500	1550	μmhos
Load Res.	9000	8000	ohms
Total Harmonic Dist.	10	10	%
Max.-Sig. Power Output	200	240	mw

* Self-bias is recommended so that grid bias will be proportionately less as the B-supply voltage falls off during battery life.

May 1, 1941 — TENTATIVE DATA

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.





1C5-GT



AVERAGE PLATE CHARACTERISTICS

E_f = 1.4 VOLTS D.C.   SCREEN VOLTS = 90

CONTROL-GRID VOLTS E_{C1} = 0

-3

E_{C1} = -6

-7.5

-9

-12

-15

PLATE VOLTS: 0, 25, 50, 75, 100, 125, 150, 175, 200

PLATE MILLIAMPERES: 25, 20, 15, 10, 5, 0

NOV. 10, 1938

RCA RADIOTRON DIVISION
RCA MANUFACTURING COMPANY, INC.

92C-4997